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McTiVia

User's Manual

Model: McTiVia

Contents 0

0 Contents 1

1 Package Contents 2

2 Before you start 3

3 Quick Start 6

4 Using McTiVia MirrorOp Sender 9

5 Web Management 21

6 Frequently Asked Questions 30

7 Hardware Specifications 33

8 System requirements 35

9 End User License Agreement 36

Package Contents

1

Please check the following items are included in your **McTiVia** package:

- McTiVia WindowsR/MacR device
- Quick Installation Guide
- 2 WiFi antennae
- Universal power adaptor
- Installation CD
- User's Manual (on CD)
- Warranty Card

Before you start 2

McTiVia is the first device that can show all content of your Windows® as well as Mac® computers on your TV wirelessly. You can easily control up to 8 computers with your mouse and/or keyboard. You can share any content from your computers with your friends and family in your living room.

Four Setup Possibilities:

a) Ethernet: Best performance

Whenever possible, always use Ethernet cables to connect **McTiVia** device to your home network. This setup provides best performance for both remote operation and internet connection.

b) Use power-line modems: Good performance

If Ethernet cable is not available next to your TV, you may consider buying a pair of power-line modems to setup a wired connection from your home network to **McTiVia**.

c) Partly wireless: Reasonable Performance

If wireless connection is preferred, you can connect your home AP and **McTiVia** via cables, and access either from your home AP or **McTiVia**.

d) Purely wireless: Basic performance

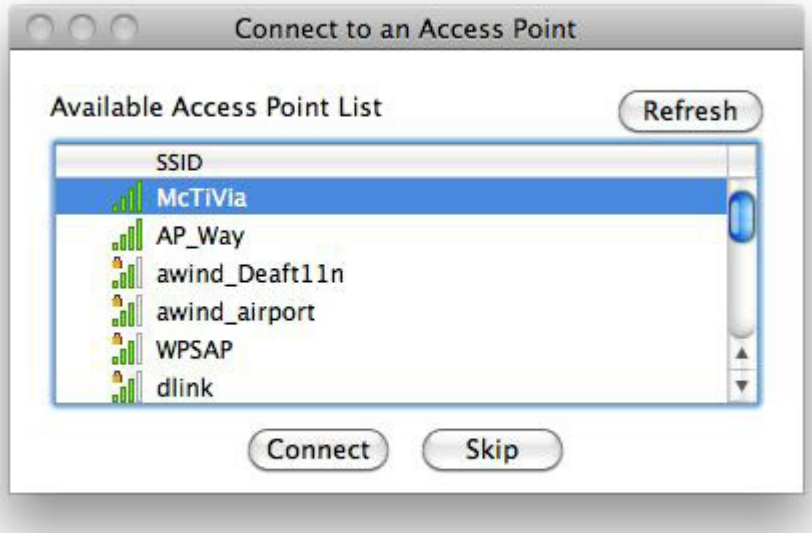
You can also try setting up **McTiVia** as a wireless client to your home AP via AP-Client mode. However, this setup is more complicated and vulnerable to any interference in WiFi signal.

Quick Start 3

1. Connect the HDMI output on the **McTiVia** device to your TV, and turn on your TV.
2. Connect the power adaptor to your **McTiVia**, and plug in to your power outlet.
3. Press the Power button on **McTiVia** to turn on the device.
4. **McTiVia** will be powered ON. The Main Menu as below will be shown on your TV screen while system is ready.

5. Insert **McTiVia** CD and follow on-screen instructions to install software from the CD-ROM.
6. Find the following icon in "Applications\McTiVia" folder (on Mac) or "Programs\McTiVia" folder (on Windows) to launch **McTiVia- MirrorOp Sender**.

7. Search WiFi Access Point. Select your **McTiVia** device (default SSID is McTiVia) from the list and click the Connect button.



8. Connect to selected access point.
9. Connect to **McTiVia** server. If only one server is found, it will automatically connect to the server.

10. The application will **temporarily** adjust your PC resolution for best projection result, and then project your screen to TV. You should see your PC Desktop on TV screen now.
11. To finish projection, click the Stop button on **McTiVia- MirrorOp Sender**. Your screen resolution would be restored to original one.

12. To begin projection again, click the Play button again.

Using McTiVia MirrorOp Sender

4

After you installed **McTiVia** application from CD, you can run the **McTiVia-MirrorOp Sender** to connect to **McTiVia**. If there is more than one **McTiVia** found, the client will list the devices for you to choose.

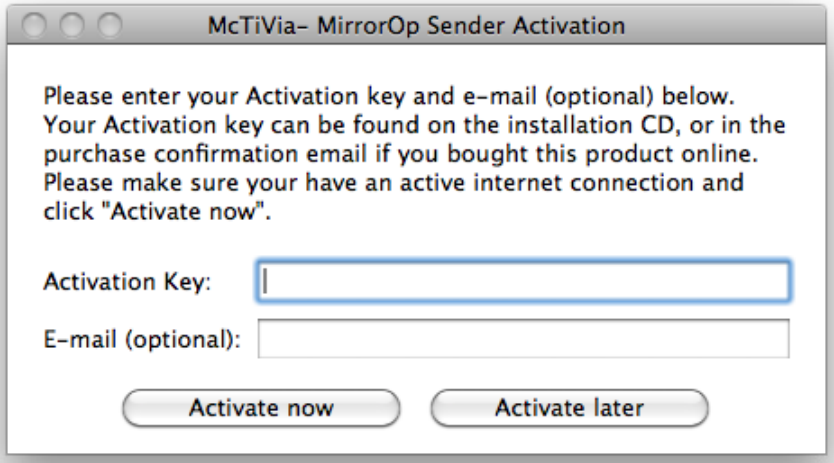
Software Activation

The first time you launch **McTiVia-MirrorOp Sender**, you will see the activation reminder:

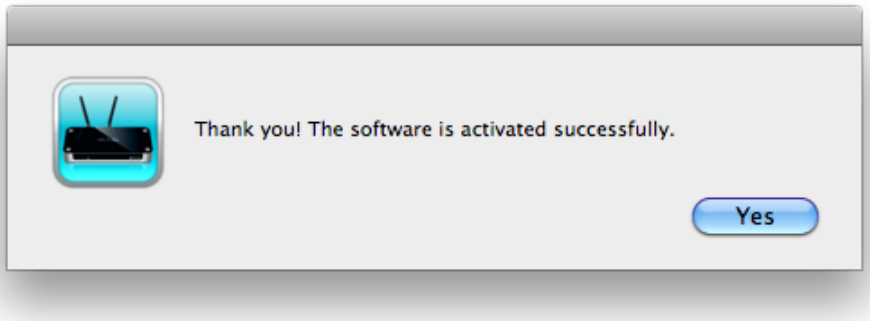
McTiVia- MirrorOp Sender Activation
This McTiVia-MirrorOp sender is not activated yet! Please activate online to remove this message.
Activate online
Remind me later
OK

Select "**Activate online**" to activate, or select "**Remind me later**" to skip activation.

In the activation dialog, enter your key and click "**Activate now**".


McTiVia- MirrorOp Sender Activation
Please enter your Activation key and e-mail (optional) below.
Your Activation key can be found on the installation CD, or in the purchase confirmation email if you bought this product online.
Please make sure your have an active internet connection and click "Activate now".
Activation Key:
E-mail (optional):
Activate now
Activate later

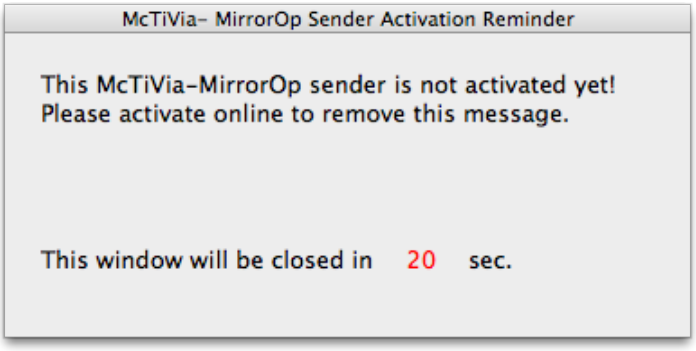
The software will connect to the activation server to validate the information. When validation is passed, your software will be activated.



Using McTiVia MirrorOp Sender

4

Otherwise, you will be reminded to activate by the following reminder every time the software is launched until successfully activated.


McTiVia- MirrorOp Sender Activation Reminder
This McTiVia-MirrorOp sender is not activated yet!
Please activate online to remove this message.
This window will be closed in 20 sec.

Each activation key can be used to activate on eight different PCs. If you have trouble activating with your key, please contact customer service for assistance.

Using McTiVia MirrorOp Sender

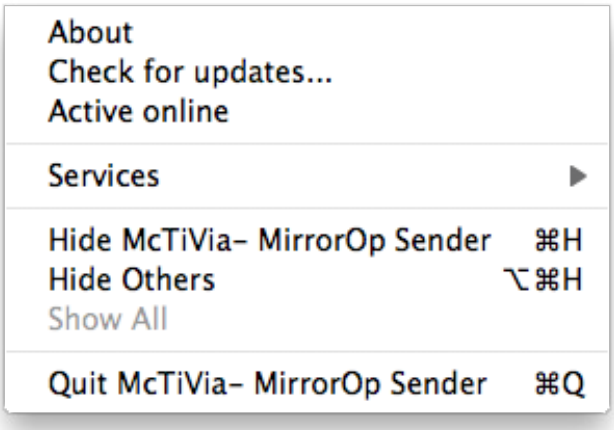
4

Video Mode vs. App Mode

On **McTiVia- MirrorOp Sender** you can find a switch button for two modes: **Video Mode** and **App Mode. Video Mode** is designed for smooth video experiences, so by default it has longer latency between your PC and TV. However, if you move your mouse connected on **McTiVia**, then it will automatically shorten the latency for better remote control. This mode is the default most that should work for most users.

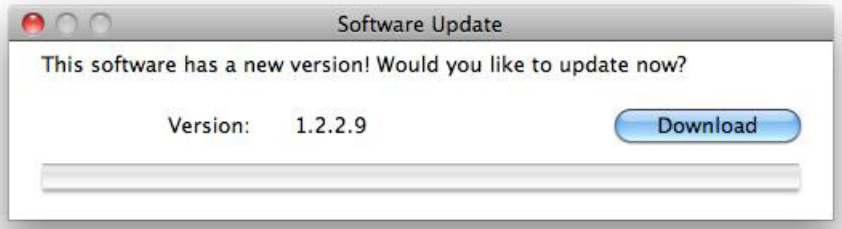
If you have very good network connection (by Ethernet) and prefer to use low latency mode at all times, you may drag the switch to **App Mode.**

- **Main Menu Bar:**



- Click **<About>** to show version information of this program.

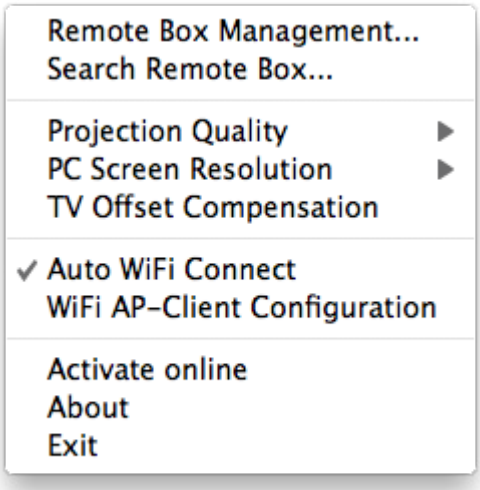
• Click **<Check for Updates>** to check for updates.



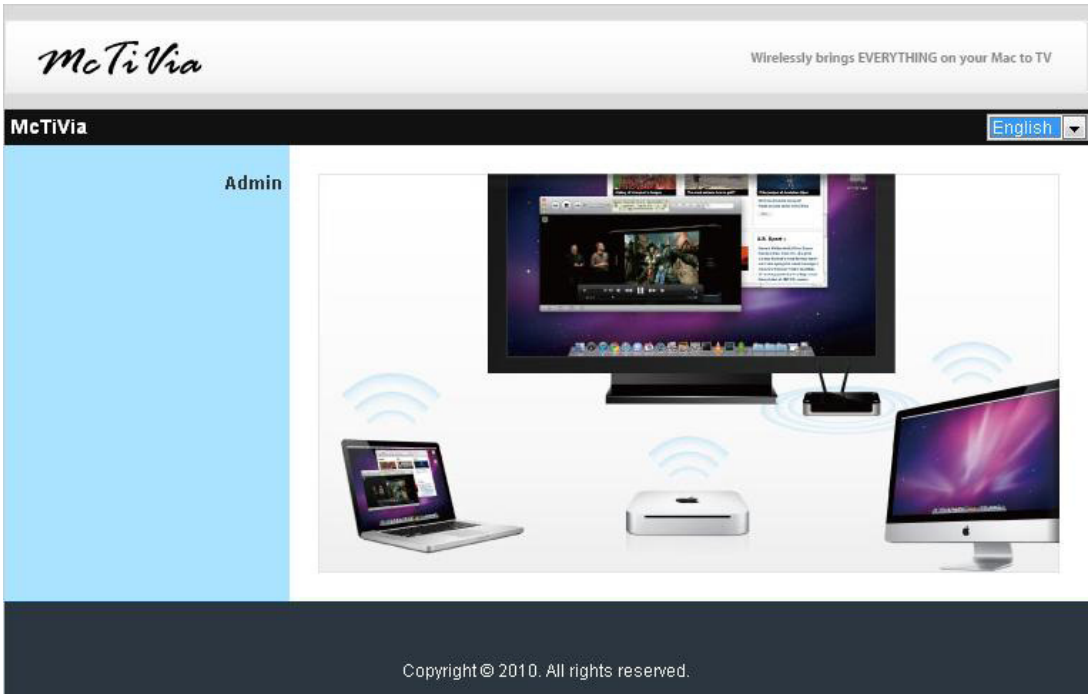
Using the McTiVia- MirrorOp Sender Pop-up Menu

• When **McTiVia- MirrorOp Sender** is running, move your mouse cursor to the Menu button on the right edge of the projection panel.

• Click on the Menu button to show the menu.



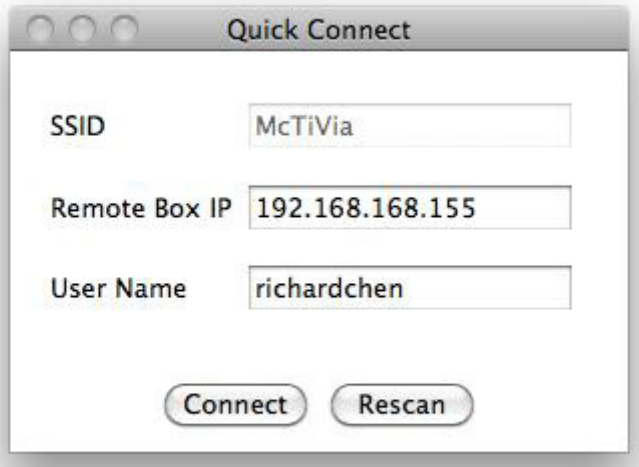
• Click **<Remote Box Management>** to connect to **McTiVia** administration web page. For more information on the web management, please refer to Section 5.



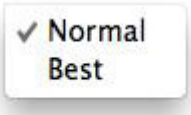
Using McTiVia MirrorOp Sender

4

- Click **<Search Remote Box>** to connect to another **McTiVia**. The last **McTiVia** you connected is remembered. To connect to another one, Click **<Rescan>**



- Adjust projection image quality in **<Projection Quality>**. Higher quality requires higher bandwidth. Default is Normal.



- Adjust projection image quality in **<PC Screen Resolution>**. Larger resolution requires higher bandwidth. Default is Middle.

Using McTiVia MirrorOp Sender

4

Working with Multiple Computers

- You can use **McTiVia** with more than one computer. Just install the software on every computer you want to use, and then run the software on each computer. Connected computer names will be shown in the standby screen as shown in the following picture:

- Use a standard USB mouse or keyboard connected to the USB port on **McTiVia** to select which computer you want to use on TV.

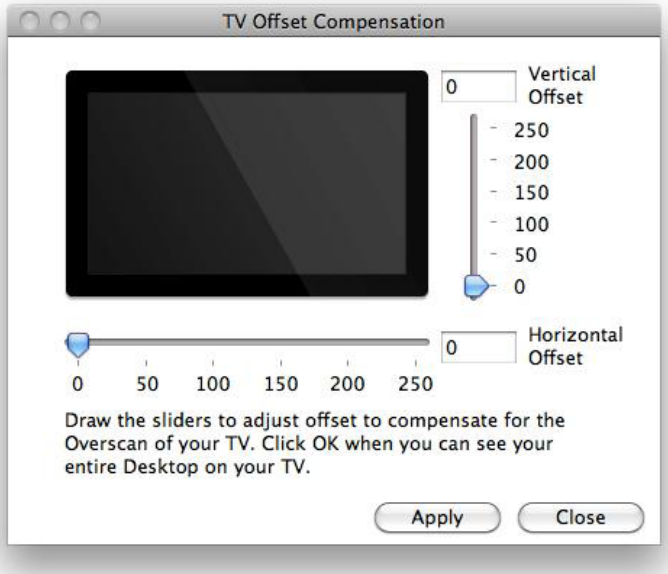
Controlling your PC with USB mouse or Keyboard from McTiVia

- You can connect standard USB mouse or keyboard, or even most standard USB joysticks to the USB port on the **McTiVia** device, and then remotely operate your PC

- Once connected, the mouse or keyboard can be used to select a PC from the PC list above, and also to operate every PC when its screen is shown on TV.

TV Offset Compensation

- Most TVs has overscan design which will cut the edges of the Desktop. If you cannot turn off overscan from your TV OSD, please use the **<TV Offset Compensation>** to shrink projected screen to fit your TV.



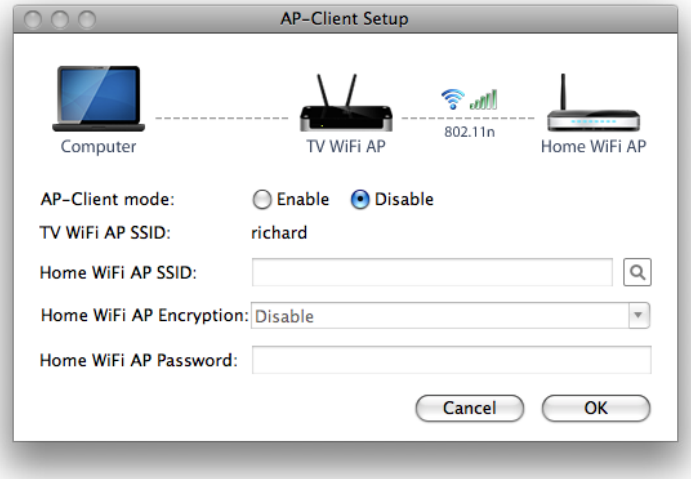
- Drag the sliders to set offset value. Click **<Apply>** to update TV projection. Check the TV screen. When the Desktop fits the TV, click **<Close>**.

- Check **<Auto WiFi Connection>** to let **McTiVia** search and connect to access points, or turn it off to use your original WiFi manager to connect to access points manually.

Setting up AP-Client Mode

To setup pure wireless connection with existing home WiFi router, you can use AP-Client mode. For best performance, please make sure the signal between your home router and **McTiVia** device is good to ensure good performance.

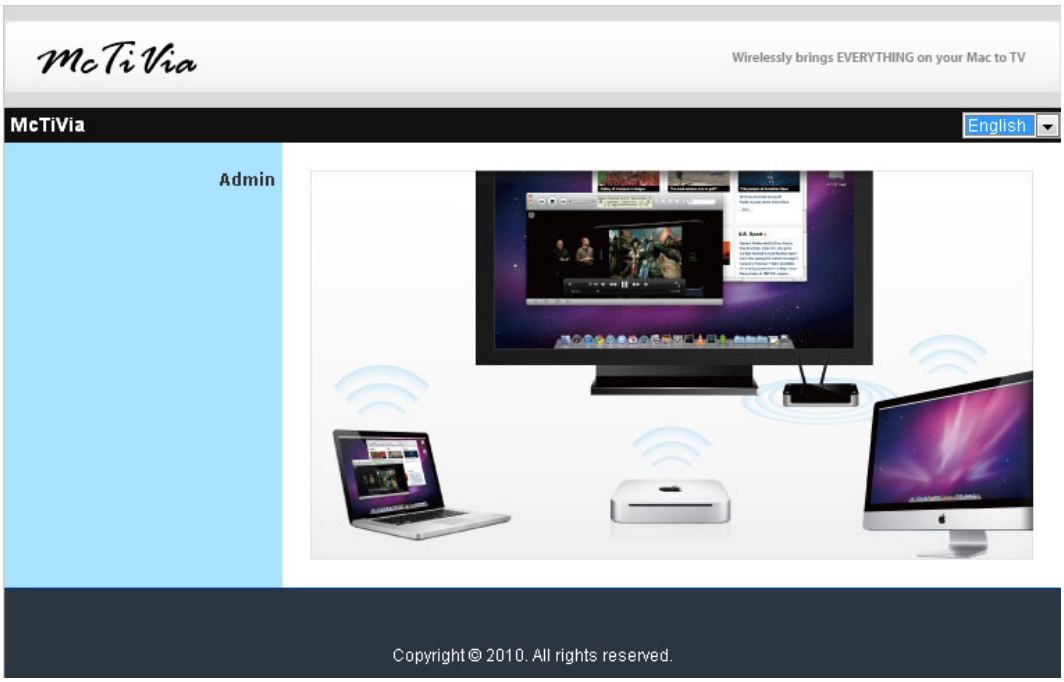
To setup AP-Client mode, click **<WiFi AP-Client Configuration>** from the menu.



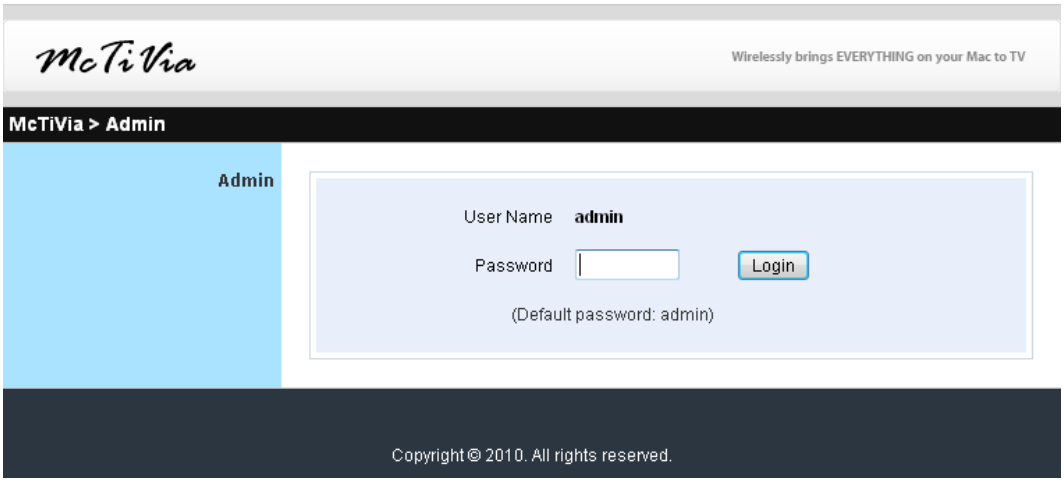
Enter the info to connect to your home WiFi router and click OK to save setting. **McTiVia** will reboot and connect to your home WiFi router. You need to reconnect to **McTiVia** from the **McTiVia- MirrorOp Sender** with the same password as your home WiFi router.

Home Page

- Make sure your PC is connected to **McTiVia** device successfully.
- Open your browser, and enter the IP address of your **McTiVia** device.



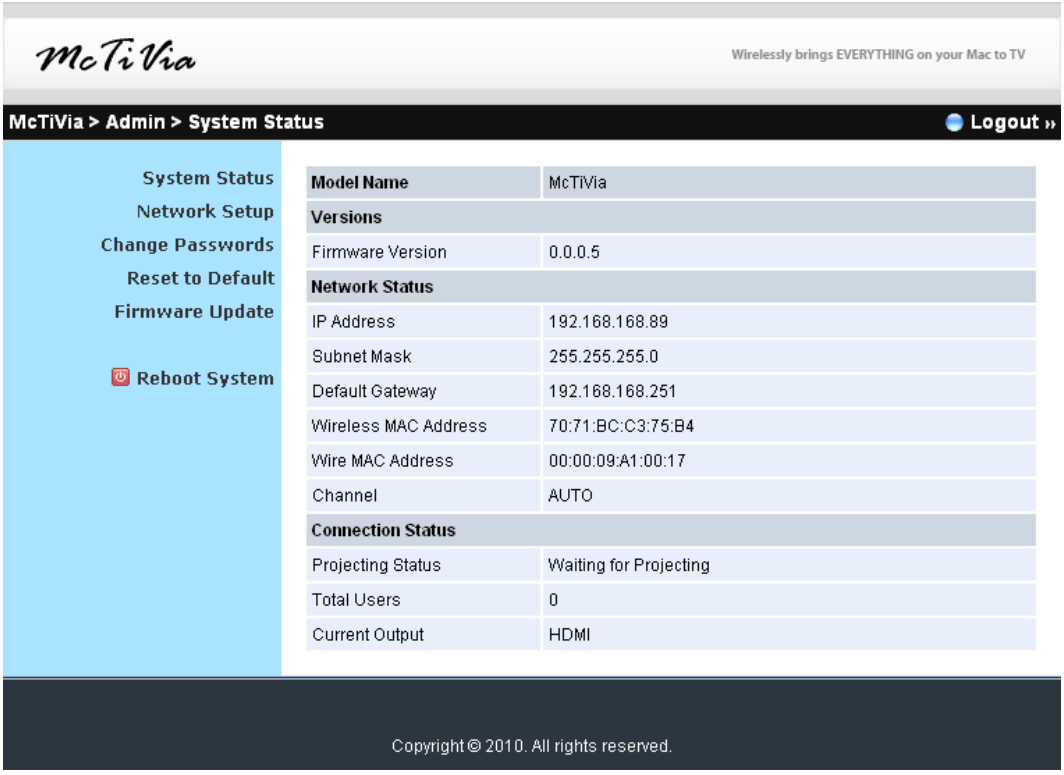
Login Web Admin



*** Click **[Admin]** and then enter password to login web page.

• Default password is “admin”.

System Status



*** Click **[System Status]** to show current system status.

Model Name: Product model name

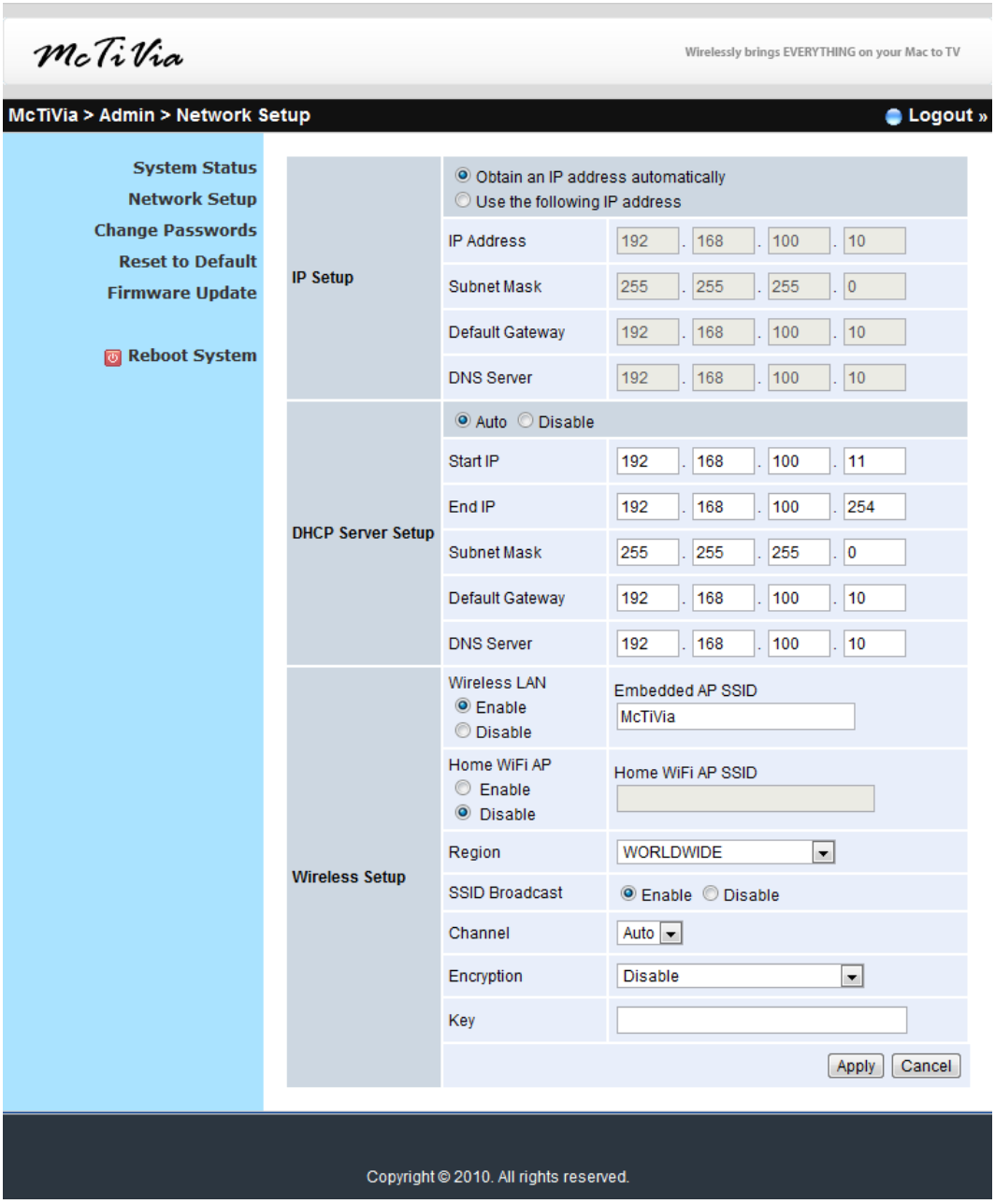
Versions:

- Firmware version: Product firmware version number.

Network Status:

- IP address: IP address of **McTiVia** device.
- Subnet Mask: subnet mask
- Default Gateway: default gateway
- Wire MAC address: wire network MAC address

Network Setup



< IP Setup>

You can select “obtain IP address automatically” or “Use the following IP address”

- IP Address: The default value is 192.168.100.10.
- Subnet Mask: The default value is 255.255.255.0
- Default Gateway: The default value is 192.168.100.10

<DHCP Server Setup>

You can select “Auto” or “Disable”. When “Auto” is selected, it will automatically disable DHCP **on McTiVia** is another DHCP server is detected, otherwise it will enable its DHCP service.

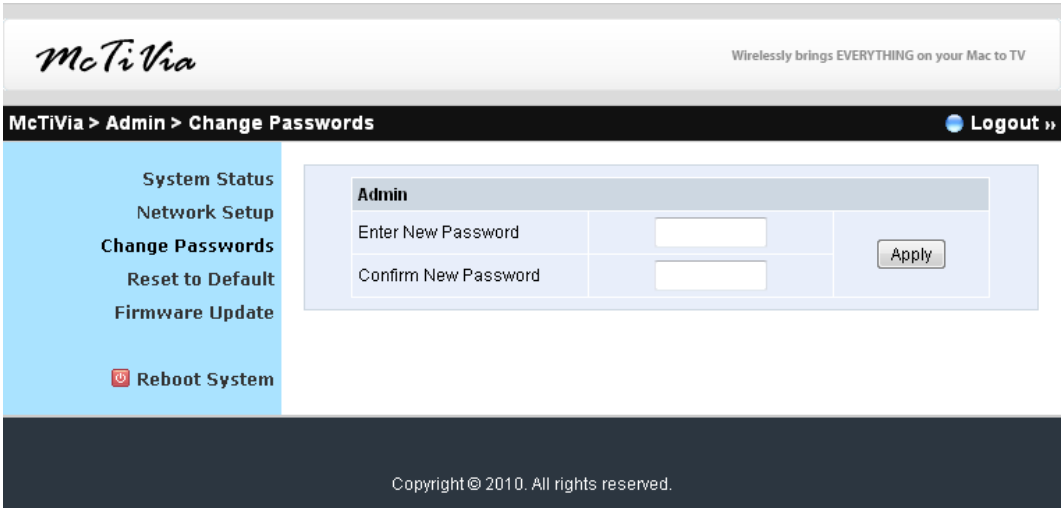
- Start IP: The start IP address of DHCP Server.
- End IP: The end IP address of DHCP Server.

< Wireless Setup>

- Wireless LAN: you can select “Enable” or “Disable”
- Region: default value is “Worldwide”.
- SSID: SSID string, max. Length is 32 bytes.
- SSID Broadcast: you can select “Enable” or “Disable”
- Channel: to set fixed channel or Auto.
- Security: Open/WEP/WPA/WPA2
- Key: Security key of your choice.

<Apply >: press button to select this mode
<Cancel>: press button to abort action.
<Back>: back to Operating mode main menu

Change Passwords



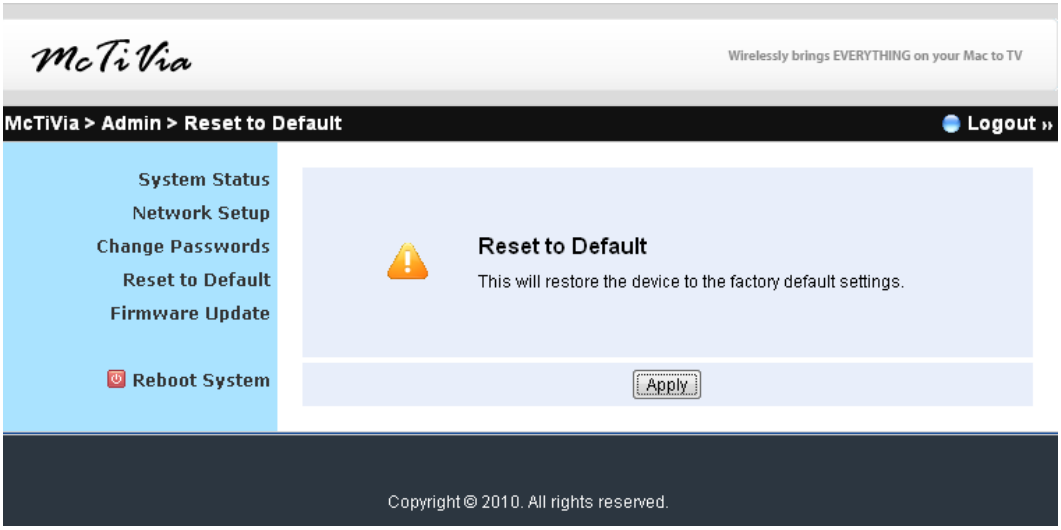
*** Click **[Change Password]** button to change password value.

<Enter New Password>: enter new password you want to change for each category.

<Confirm New Password>: double confirm new password.

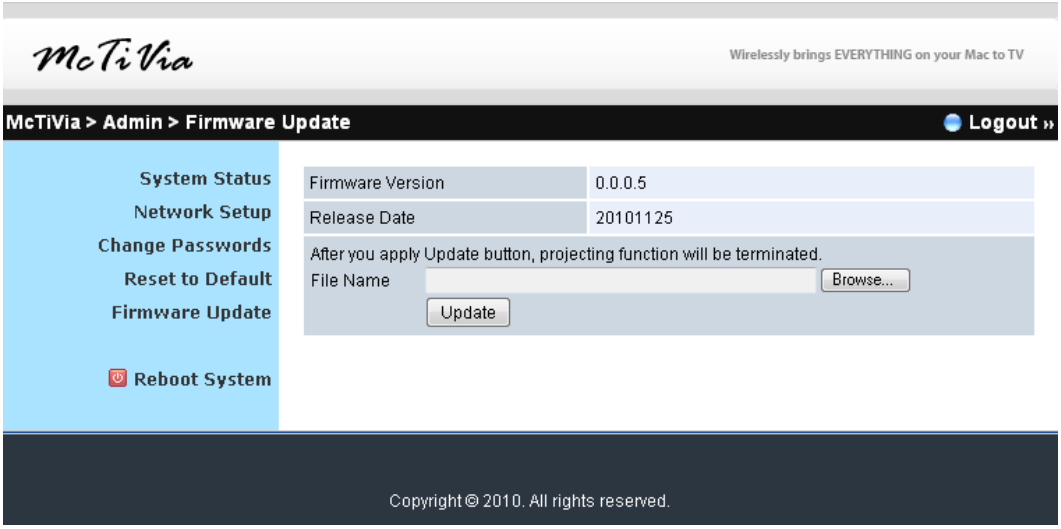
<Apply>: Confirmation and Save modifications.

Reset to Default



*** Click **[Reset to Default]** button to restore factory default settings.
<Apply>: Confirmation and action.

Firmware Update



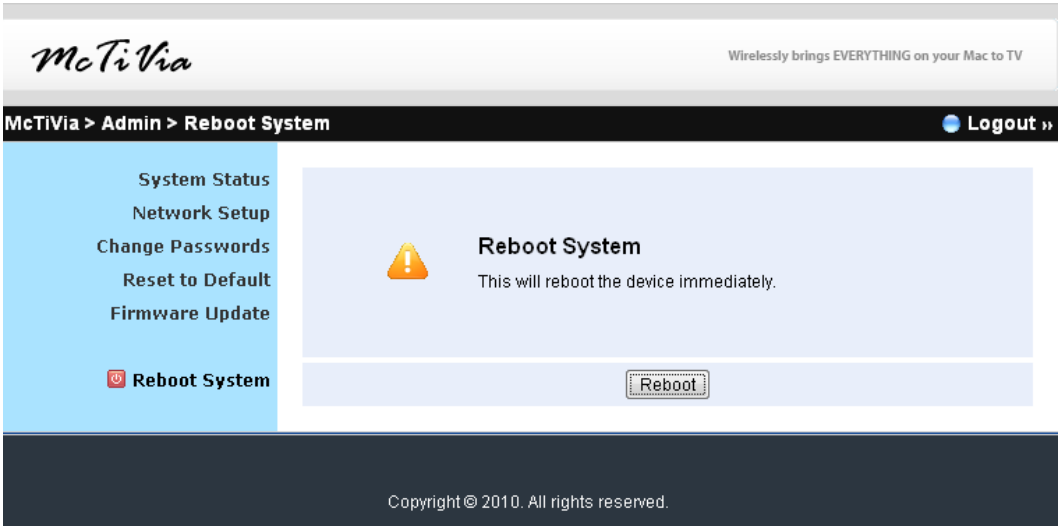
*** Click **[Firmware Update]** button to upgrade firmware.

- Firstly, you have to get latest firmware image file from your vendor.
- Click **<Choose File>** to specify file name you want to upgrade.
- Click **<Update>** to start.

The upgrade process takes about 5 minutes to complete. The **McTiVia** device will reboot automatically when the process is completed.

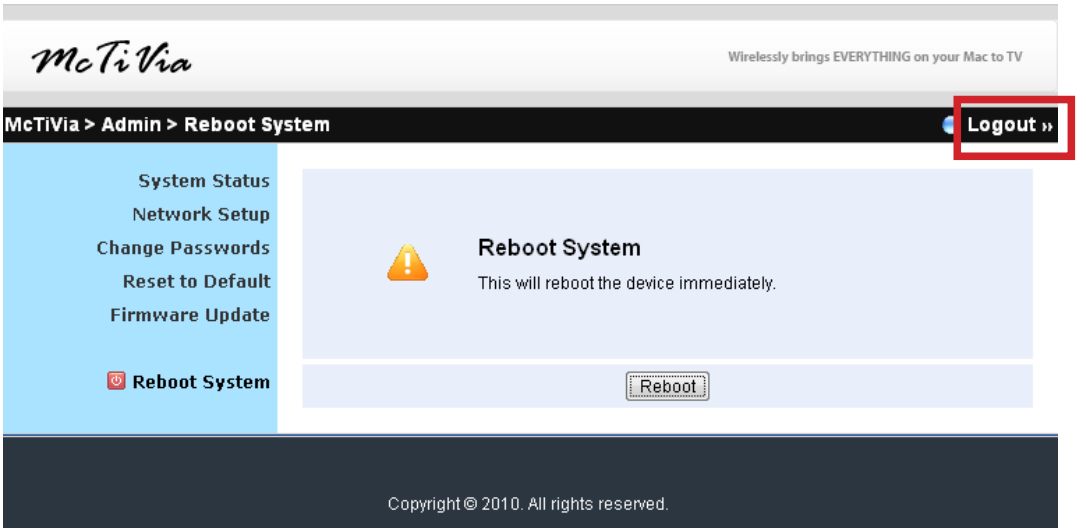
Warning: Don't power off **McTiVia** while firmware upgrade in progress, otherwise **McTiVia** device may be damaged and have to be returned to your vendor for repair.

Reboot System



*** Click **[Reboot System]** button to restart system
<Reboot>: reboot system automatically.

Logout



*** Click **[Logout]** button to return to home page.

Frequently Asked Questions

6

Q. PC cannot connect to **McTiVia** device.

A. Check the status shown on the projection panel.

1- If the left line is not connected, then your PC is not connected to any network. Please check your network connection.

2- If the left line is connected but the right line is disconnected, then no **McTiVia** is found in the network you are connected to. The IP of your PC should be in the same subnet as your **McTiVia** device. The IP of **McTiVia** can be found on the lower-left corner of TV screen (default IP is 192.168.100.10 if not connected to other network).

Q. Connection broken during projection.

A. There are several possible reasons to check:

1- Connection blocked by firewall or anti-virus software. Please add **McTiVia** to allowed programs (white list) of your anti-virus program and firewall.

2- Power saving policy decreased performance of wireless network. Please set your power saving to lowest and set performance to highest when doing projection.

Q. Audio broken on TV

A. 1- System too busy. Close all other programs and try again.

2- Network not fast enough. Check connection speed.

Frequently Asked Questions

6

Q. No sound on TV

A. 1- Volume too low. Turn the volume of your PC to maximum value for remote watching, or use your TV remote to turn volume on.

2- Your player set audio output to other device. Check the audio output setting of your player to use default audio device or soundflower (2ch).

Q. Video not smooth (frame rate too low)

A. 1- System not powerful enough. For Mac PC, a MacBook Pro or MacBook with dual core 2GHz CPU or above is required for video projection. For Windows PC, the benchmark score measured during installation should be 4 stars or above for video projection.

2- System too busy. Close all other programs and try again.

3- Network not fast enough. Check connection speed. You may try lower screen resolution or projection quality to save bandwidth.

Q. Desktop edges cut on TV screen.

A. Most TVs do overscan thus the edges are cut. Please look for options on your TV such as scaling, fit-to-screen or aspect ratio to change overscan behavior, or use the **TV Offset Compensation** in **McTiVia- MirrorOp Sender** menu to compensate.

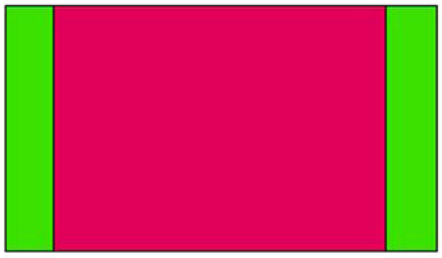
Q. Aspect ratio on TV is distorted.

A. The projected image is identical to the PC screen. However, due to different aspect ratio in different resolution settings on PC (4:3 or 16:9), the aspect ratio may be altered by the TV to fit to screen. Please look for options on your TV such as scaling, fit-to-screen or aspect ratio to change how the PC signal is fitted to TV, or change your PC resolution to the same aspect ratio as your TV screen (mostly 16:9 on new flat TVs). For example, select 1280 x 720 on your PC for original aspect ratio on a 16:9 flat TV.

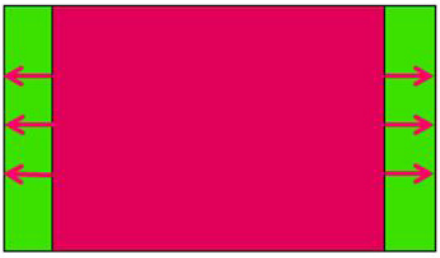
Frequently Asked Questions

6

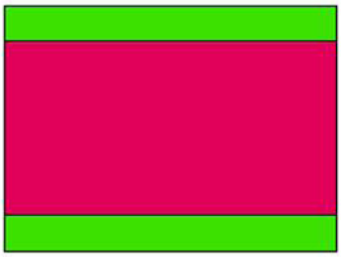
4:3 displayed on 16:9 screen



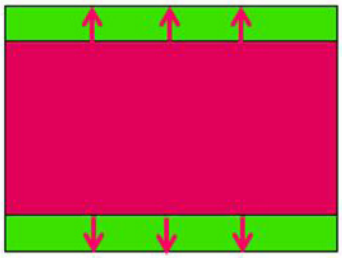
4:3 stretched to 16:9 screen
(objects appear wider)



16:9 displayed on 4:3 screen



16:9 stretched to 4:3 screen
(objects appear slimmer)



Q. AP Client configuration is delivering no IP address to **McTiVia**.

A. Check the strength of your wireless home router (802.11n router recommended). When the quality of the wireless signal of your home router is too low it will not be able to deliver an IP address to **McTiVia**.

A. Check if your home router is set to deliver automatically an IP address to any other client (DHCP mode)

A. If your home router is set-up to deliver static IP addresses only, you need to configure the **McTiVia** to use a static IP address out of your network IP range. Open the **McTiVia** web device management page and give the **McTiVia** device a Static IP address which is part of your static home IP address range.

If the answers above do not work in your situation, try to setup the **McTiVia** using Ethernet cables or Power line (separately sold) environment as show in Four Setup Possibilities section.

Hardware Specifications

7

Hardware Specification

Processor	ARM9 300MHz
DRAM	128 MB DDR
FLASH	8 MB
WiFi	IEEE 802.11 b/g/n, 2T2R
Real Panel	
Antenna	2 external dipole antennas
Power Adaptor	5V DC, 2.5A
USB Port	Type A USB port *1
Ethernet	10/100 Mbps Fast Ethernet RJ45 Port *1 Auto MDI/MDIX
A/V Output	HDMI 1.2
Front Panel	
LED Indication	Power LED
Power switch	Power On/Off Button

Hardware Specifications

7

Physical Specification

Dimensions	130mm x 65.3mm x 22mm
Weight (g)	251g

Operating Requirements

Temperature	1. Operating Temperature. 0 oC to 40 oC
	2. Storage Temperature. -40 oC to 70 oC
Humidity	1. Operating Humidity 10% to 90% Non-Condensing
	2. Storage Humidity 10% to 95% Non-Condensing

8 System requirements

Mac PC Requirements

CPU Grade	Intel Dual Core 1.4 GHz or better (PowerPC not supported)
Graphics	nVIDIA or ATI graphic card with 64MB VRAM or above
Operating System	Mac OS X 10.5+
Recommended Models	MacBook after 2009-01-21 All series of MacBook Pro MacBook Air after 2010-06-08

Windows PC Requirements

CPU Grade	Dual Core 1.8 GHz or better (excluding atom processor)
Display Adaptor	nVIDIA or ATI graphic card with 64MB VRAM or above
Operating System	Windows Vista, Windows 7
WiFi	802.11n

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9

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